MODIS Science Data Support Team (SDST) Meeting Minutes 02/26/93

ATTENDEES: John Bauernschub, Francesco Bordi, Lloyd Carpenter, Jy-Tai Chang, Ruiming Chen, Larry Fishtahler, Al Fleig, Paul Hubanks, Ed Masuoka, Shahin Samadi, Greg Schmidt, Carl Solomon, Jim Storey, Lalit Wanchoo

NEXT MEETING:	DATE	TIME	BUILDING	ROOM
	Friday, March 5	10:00am	22	365

!!! PLEASE NOTE THE ROOM CHANGE !!!

TOPICS:

1. MODIS AIRBORNE SIMULATOR (MAS): Paul Hubanks spoke to Tom Arnold about the final MAS VIS/NIR calibration coefficients for ASTEX. He expects to be finished late next week.

Hubanks is making arrangements to have a MAS entry in the NASA Master Directory and the NASA Climate Data System (NCDS). A single entry will be updated for new experiments as they occur.

Hubanks obtained information from Michael King and Didier Tanre on the data storage and computing requirements for their MODIS products.

2. EOS PLATFORM ANCILLARY DATA: Jim Storey reported on an analysis of the handling of platform ancillary data, especially spacecraft position and attitude. He made the following recommendations:

1) The orbit and attitude data embedded in the Level 0 data stream should be included in the Level 1 products.

2) The ability to use improved orbit data generated by the FDF or elsewhere should be included in the Level 1 processing system design.

3) The orbit and attitude data should be included in the Level 1 product headers rather than with the scan data.

4) Orbit data should be stored in cartesian (Earth Centered Inertial) rather than geodetic coordinates.

3. DATA PRODUCTS LIST AND ALGORITHM DEPENDENCY DIAGRAM: J.J. Pan has updated the algorithm dependency diagram to Version 6.1 to be in accord with information provided by Wayne Esaias.

Pan had spoken to Justice who had received information from Muller on the topography requirements for MODIS land products. Also, Justice wants to discuss the algorithm dependency diagram with other team members at the MODIS Science Team Meeting.

Pan has discussed computer storage and processing requirements with Drs. Kaufman, Justice, Huete, and Wan. Product size information is more readily available than processing requirements.

4. MODIS PROCESSING AND STORAGE REQUIREMENTS DATABASE: Ruiming Chen presented an outline of a MODIS processing and storage requirements database which she generated using Excel. The items are divided into three categories: 1) processing requirements, 2) storage requirements, and 3) product and algorithm information. There was an extended discussion of the questions which must be answered in gathering this information.

ACTION ITEMS:

12/22/92 [LLOYD CARPENTER]. Due Date: 03/19/93. Survey the MODIS science team members to determine computer storage and processing requirements for Level 2 processing. (Progress was reported at the meeting.) STATUS: Open.

1/22/93 [JIM STOREY]. Due Date: 2/22/93. Meet with EDOS, AM platform, and other groups; develop "cost/benefit" analyses; and provide recommendations for treatment of platform ancillary data (e.g., position, attitude). For example, do we incorporate position/attitude data into the Level 1A product or assign a pointer to it? Do we recommend that platform ancillary data be included in the MODIS instrument Level 0 data stream? (The results were presented at the meeting.) STATUS: Closed.

1/22/93 [LLOYD CARPENTER/TOM GOFF]. Develop SDST-final draft of Level 1 requirements/assumptions. Due Date: (Initial draft due 3/15/93; deliver to MODIS science team members, EOSDIS, and other parties for review on 3/26/93; responses due back by 4/1/93). STATUS: Open.